

2025 Course List for JEMARO program (April 2025-March 2026)

Program	Code	Subject	Sem.	Cr.	TIME	Room	Type	NAME	
総合科目 (GENERAL COURSES)	01452	(JEMARO) JAPANESE CULTURE AND SCIENCE/TECHNOLOGY	Fall	2	Tue.1	12/105	①	MIKAMI KOICHI	
	07044	JAPANESE 2 (B)	Spring	1	Wed.3	12/202B	①	TAKEMURA KAZUKO	
日本語 (JAPANESE)	06029	JAPANESE 3 (B)	Spring	1	Wed.4	12/208	①	AKISADA MIHO	
	05974	JAPANESE 4 (B)	Spring	1	Wed.3	12/208	①	AKISADA MIHO	
	08184	JAPANESE 3 (A)	Fall	1	Wed.4	12/202C	①	MITEI	
	08529	JAPANESE 4 (A)	Fall	1	Wed.3	12/202C	①	MITEI	
	02702	JAPANESE 1 (E) (JEMARO)	Fall	1	Wed.3	12/202A	①	MITEI	
	01400	JAPANESE 1 (F) (JEMARO)	Fall	1	Wed.4	12/202A	①	MITEI	
	05898	JAPANESE 2 (A)	Fall	1	Wed.3	12/102	①	MITEI	
	03785	JAPANESE ELEMENTARY CONVERSATION	Fall	1	Wed.3	12/208	①	MITEI	
基礎理工学専攻 (FUNDAMENTAL SCIENCE AND TECHNOLOGY)	03020	MATHEMATICAL ENGINEERING FOR QUANTUM MECHANICS	Fall	2	Thu.4	14/202	①	YAMAMOTO NAOKI	
	01892	ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS	Spring Q2*1	2	Mon.5/Thu.2	12/102	①	KAIJU HIDEO and the others	
	05219	INTELLIGENT MACHINE SYSTEM	Fall Q3*1	2	Mon.1/Mon.2	12/208	③	MURAKAMI TOSHIYUKI	
	10874	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12/206	①	ASAKURA KOICHI	
	10563	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Mon.5	12/209	②	YASUOKA KENJI	
	05462	ULTRAPRECISION MACHINING AND METROLOGY	Fall	2	Mon.2	12/103	①	YAN JIWANG	
総合デザイン工学専攻 (INTEGRATED DESIGN ENGINEERING)	05477	MEMS: DESIGN AND FABRICATION	Spring	2	Thu.2	12/105	①	MIKI NORIHISA and the others	
	04705	MECHANICAL INTERFACE DESIGN	Fall	2	Thu.3	12/105	③	MORITA TOSHIO	
	03053	SPACE EXPLORATION ENGINEERING	Fall	2	Fri.2	14/201	①	ISHIGAMI GENYA	
	04050	BIOMIMETIC MICRO/NANO ENGINEERING	Spring	2	Mon.3	12/109	③	ONOE, HIROAKI and the others	
	12729	INTELLIGENT MACHINE SYSTEM	Fall Q3*1	2	Mon.1/Mon.2	12/208	③	MURAKAMI TOSHIYUKI	
	05003	DIGITAL SYNTHESIS OF FORMING PROCESSES	Spring	2	Mon.5	12/105,14/B101	①	OYA TETSUO	
	09142	ADVANCED CONTROL SYSTEMS DESIGN	Spring	2	Mon.2	12/105	①	OHMORI HIROMITSU and the others	
	12551	QUANTUM INTERNET AND QUANTUM INFORMATION THEORY	Fall	2	Thu.2	12/208	①	TAKEOKA MASAHIRO and the others	
	10415	OPTICAL CONTROL OF QUANTUM SYSTEMS	Spring	2	Wed.2	14/204,14/B101	①	SAIKI TOSHIHARU and the others	
	00547	DIGITAL WIRELESS COMMUNICATIONS	Spring	2	Mon.2	14/211	①	SANADA YUKITOSHI	
	12714	PHOTONIC NANOSTRUCTURE	Fall	2	Thu.3	12/106	①	TANABE TAKASUMI	
	03068	ADVANCED SIGNAL PROCESSING	Spring	2	Wed.1	12/106	①	YUKAWA MASAHIRO	
	03072	ADVANCED SYSTEM ELECTRONICS	Fall	2	Tue.2	ONLINE	④	KUBO RYOGO	
	09119	LASER PROCESSING	Fall	2	Mon.3	12/101	①	TERAKAWA MITSUHIRO	
	02459	COGNITIVE ROBOTICS	Spring	2	Fri.5	14/202	①	MURATA SHINGO	
	01251	NANODEVICE ENGINEERING	Spring	2	Fri.3	12/101	①	TANAKA TAKAHISA	
	02679	ORGANIC ELECTRONIC MATERIALS AND DEVICES	Spring	2	Fri.1	12/211	①	NODA KEI	
	09085	CHEMICAL SENSORS / BIOSENSORS AND SENSING MATERIALS	Spring	2	Tue.2	12/206	①	CITTERIO DANIEL	
	01888	ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS	Spring Q2*1	2	Mon.5/Thu.2	12/102	①	KAIJU HIDEO and the other	
	11574	COMPUTER VISION	Spring	2	Mon.5	14/202	①	SAITO HIDEO	
	11995	COMPUTER ARCHITECTURE	Spring	2	Thu.1	12/203,14/203	①	KONDO MASAOKI and the others	
	11741	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2	Tue.2	12/103	①	ISAKARI HIROSHI	
	10578	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12/206	①	ASAKURA KOICHI	
	00987	ADVANCED FLUID MECHANICS	Fall	2	Fri.4	12/209	①	OBI SHINNOSUKE and the others	
	13099	PHYSICS OF LIVING MATTER	Spring	2	Fri.1	12/209	①	DATT CHARU	
	開放環境科学専攻 (SCIENCE FOR OPEN AND ENVIRONMENTAL SYSTEMS)	03819	ENVIRONMENTAL INFORMATION SYSTEM ARCHITECTURE	Fall	2	Tue.3	-	②	YASUOKA KENJI and the others
		04136	ENVIRONMENTAL TECHNOLOGY AND POLICY	Spring	2	Mon.4	-	②	YASUOKA KENJI and the others
		11737	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2	Tue.2	12/103	①	ISAKARI HIROSHI
		12862	PUBLIC SPACE AND COMMUNICATION	Fall	2	Mon.4	12/106	①	INOUE KYOKO
		03182	ANALYSIS OF ARCHITECTURAL FORM	Fall	2	Fri.5	34/321	①	ALMAZAN CABALLERO JORGE
		03087	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12/206	①	ASAKURA KOICHI
		10802	COMPRESSIBLE FLUID DYNAMICS	(Every other week*2)	2	Mon.2/Wed.1	12/102	①	MATSUO AKIKO
		11081	FINITE ELEMENT MODELING AND SIMULATION	Fall	2	Tue.1	12/206	②	MURAMATSU MAYU
		10563	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Mon.5	12/209	②	YASUOKA KENJI
		05515	FUNDAMENTALS OF TURBULENCE AND ITS THEORY	Spring	2	Fri.2	12/206	③	FUKAGATA KOJI
		04739	ADVANCED ACTUATOR ENGINEERING	Fall	2	Tue.2	12/202A	③	TAKEMURA KENJIRO
		03842	ADVANCED COURSE IN APPLIED AND COMPUTATIONAL MECHANICS 2	Fall	2	Mon.1	14/204	②	ANDO KEITA and the others
		03599	FUNDAMENTALS OF MULTIPHASE FLOW	Spring	2	Tue.3	11/21	②	ANDO KEITA
		02042	MECHANICS AND NUMERICAL SIMULATION OF ADVANCED MATERIALS	Spring	2	Tue.2	11/21	①	TAKANO NAOKI
		01471	NONLINEAR DYNAMICS	Fall	2	Thu.5	12/206	②	PENG LINYU
01319		ADVANCED FLUID MECHANICS	Fall	2	Fri.4	12/209	①	OBI SHINNOSUKE and the others	
13103		PHYSICS OF LIVING MATTER	Spring	2	Fri.1	12/209	①	DATT CHARU	
01543		QUANTUM INTERNET AND QUANTUM INFORMATION THEORY	Fall	2	Thu.2	12/208	①	TAKEOKA MASAHIRO and the others	
12088		FORMAL PROGRAMMING LANGUAGE THEORY	Fall	2	Thu.4	14/B102	①	TAKIMOTO MUNEHIRO	
12054		ADVANCED COURSE ON NATURAL LANGUAGE PROCESSING	Fall	2	Wed.2	12/108	①	OHARA KYOKO and the others	
11608		TOPICS IN COMPUTER OPERATING SYSTEMS	Spring	2	Tue.3	12/108	①	KONO KENJI	
00107		COMPUTER VISION	Spring	2	Mon.5	14/202	①	SAITO HIDEO	
12016		REAL WORLD INTERACTIVE SYSTEM	Fall	2	Tue.2	14/204	①	SUGIURA YUTA	
12001		COMPUTER ARCHITECTURE	Spring	2	Thu.1	12/203,14/203	①	KONDO MASAOKI and the others	
11612		DISTRIBUTED SYSTEMS	Fall	2	Fri.5	12/103	①	MATSUTANI HIROKI	
06344		DESIGN OF PHYSICALLY GROUNDED COMMUNICATION SYSTEM	Spring	2	Fri.2	12/101	①	IMAI MICHITA	
05276		MICROPROCESSOR ARCHITECTURE	Fall	2	Thu.3	12/103	①	YAMASAKI NOBUYUKI	
05993		ADVANCED COURSE OF INTERNET BACKBONE ARCHITECTURE	Spring	2	Mon.2	14/204	①	YAMANAKA NAOAKI	
05630		AD HOC AND SENSOR NETWORK	Fall	2	Mon.3	14/201	①	OTSUKI TOMOAKI	
05132		ADVANCED COURSE ON COMPUTER VISUALIZATION	Spring	2	Thu.4	14/201	①	FUJISHIRO ISSEI	
03618		ADVANCED COURSE ON NETWORK SERVICES	Fall	2	Fri.2	12/105	①	KANEKO KUNITAKE	
03876		MIXED REALITY	Spring	2	Mon.3	12/211	①	SUGIMOTO MAKI	

Program	Code	Subject	Sem.	Cr.	TIME	Room	Type	NAME
	03603	COMPUTER SCIENCE: EXERCISES	Fall	2	-	*4	①	TAKADA SHINGO and the others
	09305	MODELS FOR CONCURRENCY	Spring(Intensive)	2	*5	14/201	①	YOSHIDA NOBUKO
	02870	SOFTWARE ENGINEERING: DEVELOPMENT AND TESTING	Spring	2	Tue.5	12/101,12/102	①	TAKADA SHINGO
	00934	MACHINE INTELLIGENCE	Spring	2	Fri.4	11/21	①	SUGIURA KOMEI
	01323	MEDIA COMPUTING	Fall	2	Tue.3	14/204	①	ISOGAWA MARIKO
	01338	ADVANCED VLSI DESIGN EXERCISES	Spring	2	Thu.3	14/B103	①	MATSUTANI HIROKI
	13118	COMPUTATIONAL FABRICATION	Spring	2	Fri.3	14/201	①	NARUMI KOYA
	13122	SPEECH AND AUDIO PROCESSING	Fall	2	Fri.3	14/204	①	TAKAMICHI SHINNOSUKE
	12365	HUMAN-AGENT INTERACTION	Spring	2	Tue.4	12/108	①	OSAWA HIROTAKA
	12403	APPLIED STATISTICAL ANALYSIS	Fall	2	Mon.2	12/209	①	SUZUKI HIDEO
	11722	ADVANCED TOPICS IN BUSINESS ECONOMICS 2	Fall	2	Fri.4	12/104	①	BANDO KEISUKE
	03489	ADVANCED FINANCIAL ENGINEERING 1	Spring	2	Tue.3	12/207	①	IMAI JUNICHI
	05147	OPERATIONS MANAGEMENT	Spring	2	Mon.2	12/108	③	MATSUKAWA HIROAKI
	05151	OPEN SYSTEMS MANAGEMENT: LECTURE AND LABORATORIES	Fall (Every other week*6)	2	Thu.4/Thu.5	14/211	①	YAMADA SHU and the others
	09286	ADVANCED COURSE ON APPLICATION OF EXPERIMENTAL DESIGN	Spring	2	Fri.3	12/207	①	YAMADA SHU

*1 Most courses are taught on a semester system, but the courses marked "Q1" "Q2" "Q3" or "Q4" are conducted on a quarter system which divides a semester into two halves.

Spring Q1 courses: April to May
Spring Q2 courses: End of May to July
Fall Q3 courses: September to mid-November
Fall Q4: Mid-November to January

Please confirm "Course Guidebook" for Academic Year class schedule.

*2 "INTERNSHIP": Internship term is generally around three weeks or more. Please check the "Course Guidebook" in detail.

*3 "COMPRESSIBLE FLUID DYNAMICS": Lecture days are as follows: Apr.9,14,16,21,28,30 May.7,12,14,26, Jun.2,4,9,11

*4 "COMPUTER SCIENCE: EXERCISES": This course does not have lectures.

*5 "MODELS FOR CONCURRENCY": This is an intensive course. Lecture days are as follows: Aug.4(1-5period), Aug.5(1-5period), Aug.6(1-4period)

*6 "OPEN SYSTEMS MANAGEMENT:LECTURE AND LABORATORIES" : Lecture days are as follows: Oct.16,30, Nov.13,27, Dec.11,18, Jan.8

[Type of Classes]

① : Face to Face Classes (conducted mainly in-person)

② : Online Classes (mainly real-time format)

③ : Online Classes (mainly on-demand format)

④ : Online Classes (completely on-demand format)

For more information, please attend the first class and check with the instructor.

yellow = mandatory
green = recommended